

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,812
Source: Pt 10
Date Processed by STIC: 11/1/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 11/01/2005

PATENT APPLICATION: US/10/553,812

TIME: 10:50:21

Input Set : A:\21198 SEQLIST.TXT

Output Set: N:\CRF4\11012005\J553812.raw

```

4 <110> APPLICANT: Tan, Carina
5      Howard, Andrew D.
6      Sano, Hideki
8 <120> TITLE OF INVENTION: RHESUS MONKEY BOMBESIN SUBTYPE-3
9      (BRS-3), NUCLEOTIDES ENCODING SAME, AND USES THEREOF
12 <130> FILE REFERENCE: 21198P
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/553,812
C--> 14 <141> CURRENT FILING DATE: 2005-10-18
14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/011473
15 <151> PRIOR FILING DATE: 2004-04-14
17 <150> PRIOR APPLICATION NUMBER: 60/463,776
18 <151> PRIOR FILING DATE: 2003-04-18
20 <160> NUMBER OF SEQ ID NOS: 22
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 1197
26 <212> TYPE: DNA
27 <213> ORGANISM: Macaca mulatta
29 <400> SEQUENCE: 1
30 atgggtcaaaa ggcagcctca ctcacctaata cagacttttaa tttcaatcac aaatgacaca 60
31 gaatcaagct ctgtggtttc taacgataac acaaataaag gacggagcgg ggacaactct 120
32 ccaggaatag aagcattgtg tgccatctat attacttatg ctgtgatcat ttcagtgggc 180
33 atccttgga atgctattct catcaaagtc tttttcaaga ccaaattccat gcaaacagtt 240
34 ccaaataatt tcatcaccag cctggctttt ggagatcttt tacttctgct aacttggtgtg 300
35 ccagtggatg caacccacta ccttgcagaa ggatggctgt tcggaagaat tggttgtaag 360
36 gtgctctctt tcatccggct cacttctggt ggtgtgtcag tgttcacggt aacaattctc 420
37 agcgctgaca gatacaaggc agttgtgaag ccacttgagc gacagccctc caatgccatc 480
38 ctgaagactt gtataaaagc tggctgcgtc tggatcgtgt ctatgatatt tgctctacct 540
39 gaggtatat tttcaaagt atattcttt cgagatccca acaaaaatgt gacatttgaa 600
40 tcgtgtacct cttatcctgt ctctaagaag ctcttgcaag aaatacattc tctgctgtgc 660
41 ttcttagtgt tctacattat tccactctct attatctctg tctattattc tttgattgct 720
42 aggacccttt ataaaagcac cctgaacata cctactgagg aacaaggcca tgcccgttaag 780
43 cagattgaat cccggaagag aattgccaga acggtattgg tgttggtggc tctgtttgcc 840
44 ctctgctggt tgccaaatca cctcctgtac ctctaccatt cattcacttc tcaaacctat 900
45 gtagaccctt ctgccatgca tttcattttc accattttct ctcggtttct ggctttcagc 960
46 aattcttgcg taaacccctt tgctctctac tggctgagca aaaccttcca gaagcatttt 1020
47 aaagctcagt tgttctgttg caaggcagag cagcctgagc ctctgtttgc tgacacctct 1080
48 cttaccaccc tggctgtgat gggaagggtc ccgggcactg ggaacatgca gatgtctgaa 1140
49 attagtgtga cctcggtccc tgggtgtagt gtgaagcagg cagaggatag agtctag 1197
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 398
53 <212> TYPE: PRT
54 <213> ORGANISM: Macacca mulatta

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56 <400> SEQUENCE: 2

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57 Met Ala Gln Arg Gln Pro His Ser Pro Asn Gln Thr Leu Ile Ser Ile
58 1 5 10 15
59 Thr Asn Asp Thr Glu Ser Ser Ser Val Val Ser Asn Asp Asn Thr Asn
60 20 25 30
61 Lys Gly Arg Ser Gly Asp Asn Ser Pro Gly Ile Glu Ala Leu Cys Ala
62 35 40 45
63 Ile Tyr Ile Thr Tyr Ala Val Ile Ile Ser Val Gly Ile Leu Gly Asn
64 50 55 60
65 Ala Ile Leu Ile Lys Val Phe Phe Lys Thr Lys Ser Met Gln Thr Val
66 65 70 75 80
67 Pro Asn Ile Phe Ile Thr Ser Leu Ala Phe Gly Asp Leu Leu Leu Leu
68 85 90 95
69 Leu Thr Cys Val Pro Val Asp Ala Thr His Tyr Leu Ala Glu Gly Trp
70 100 105 110
71 Leu Phe Gly Arg Ile Gly Cys Lys Val Leu Ser Phe Ile Arg Leu Thr
72 115 120 125
73 Ser Val Gly Val Ser Val Phe Thr Leu Thr Ile Leu Ser Ala Asp Arg
74 130 135 140
75 Tyr Lys Ala Val Val Lys Pro Leu Glu Arg Gln Pro Ser Asn Ala Ile
76 145 150 155 160
77 Leu Lys Thr Cys Ile Lys Ala Gly Cys Val Trp Ile Val Ser Met Ile
78 165 170 175
79 Phe Ala Leu Pro Glu Ala Ile Phe Ser Asn Val Tyr Ser Phe Arg Asp
80 180 185 190
81 Pro Asn Lys Asn Val Thr Phe Glu Ser Cys Thr Ser Tyr Pro Val Ser
82 195 200 205
83 Lys Lys Leu Leu Gln Glu Ile His Ser Leu Leu Cys Phe Leu Val Phe
84 210 215 220
85 Tyr Ile Ile Pro Leu Ser Ile Ile Ser Val Tyr Tyr Ser Leu Ile Ala
86 225 230 235 240
87 Arg Thr Leu Tyr Lys Ser Thr Leu Asn Ile Pro Thr Glu Glu Gln Gly
88 245 250 255
89 His Ala Arg Lys Gln Ile Glu Ser Arg Lys Arg Ile Ala Arg Thr Val
90 260 265 270
91 Leu Val Leu Val Ala Leu Phe Ala Leu Cys Trp Leu Pro Asn His Leu
92 275 280 285
93 Leu Tyr Leu Tyr His Ser Phe Thr Ser Gln Thr Tyr Val Asp Pro Ser
94 290 295 300
95 Ala Met His Phe Ile Phe Thr Ile Phe Ser Arg Val Leu Ala Phe Ser
96 305 310 315 320
97 Asn Ser Cys Val Asn Pro Phe Ala Leu Tyr Trp Leu Ser Lys Thr Phe
98 325 330 335
99 Gln Lys His Phe Lys Ala Gln Leu Phe Cys Cys Lys Ala Glu Gln Pro
100 340 345 350
101 Glu Pro Pro Val Ala Asp Thr Ser Leu Thr Thr Leu Ala Val Met Gly
102 355 360 365
103 Arg Val Pro Gly Thr Gly Asn Met Gln Met Ser Glu Ile Ser Val Thr
104 370 375 380

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105 Ser Phe Pro Gly Cys Ser Val Lys Gln Ala Glu Asp Arg Val
106 385                      390                      395
109 <210> SEQ ID NO: 3
110 <211> LENGTH: 33
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: PCR Primer
117 <400> SEQUENCE: 3
118 ttggacgtga caatcactgt atttgaactg aga                      33
120 <210> SEQ ID NO: 4
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: PCR Primer
128 <400> SEQUENCE: 4
129 tgtttctcct cccagcatgt gtatccg                      27
131 <210> SEQ ID NO: 5
132 <211> LENGTH: 19
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: PCR Primer
139 <400> SEQUENCE: 5
140 gctctctttc atccggctc                      19
142 <210> SEQ ID NO: 6
143 <211> LENGTH: 20
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: PCR Primer
150 <400> SEQUENCE: 6
151 ctgccttgta tctgtcagcg                      20
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 18
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: PCR Primer
161 <400> SEQUENCE: 7
162 catgcccgta agcagggtt                      18
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 19
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: PCR Primer
172 <400> SEQUENCE: 8

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173 cagcagagggg caaacagag                                     19
175 <210> SEQ ID NO: 9
176 <211> LENGTH: 42
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: PCR Primer
183 <400> SEQUENCE: 9
184 atgggatccg ccaccatggc tcaaaggcag cctcactcac ct         42
186 <210> SEQ ID NO: 10
187 <211> LENGTH: 38
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: PCR Primer
194 <400> SEQUENCE: 10
195 atgctcgagt ggaaagctag actctatcct ctgcctgc             38
197 <210> SEQ ID NO: 11
198 <211> LENGTH: 25
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: PCR Primer
205 <400> SEQUENCE: 11
206 gaaagagagc accttacaac caatt                             25
208 <210> SEQ ID NO: 12
209 <211> LENGTH: 20
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: PCR Primer
216 <400> SEQUENCE: 12
217 ccagtggatg caacccacta                                   20
219 <210> SEQ ID NO: 13
220 <211> LENGTH: 25
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: PCR Primer
227 <400> SEQUENCE: 13
228 ttccgaacag ccatccttct gcaag                             25
230 <210> SEQ ID NO: 14
231 <211> LENGTH: 23
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: PCR Primer
238 <400> SEQUENCE: 14
239 gcaagcagga gtatgacgag tct                               23

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241 <210> SEQ ID NO: 15
242 <211> LENGTH: 25
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: PCR Primer
249 <400> SEQUENCE: 15
250 aactaagtca cagtccgcct agaag 25
252 <210> SEQ ID NO: 16
253 <211> LENGTH: 23
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: PCR Primer
260 <400> SEQUENCE: 16
261 cccttccatc gtccaccgca aat 23
263 <210> SEQ ID NO: 17
264 <211> LENGTH: 1200
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo Sapiens
268 <400> SEQUENCE: 17
269 atggctcaaa ggcagcctca ctacctaata cagacttta tttcaatcac aaatgacaca 60
270 gaatcatcaa gctctgtggg ttctaacgat aacacaaata aaggatggag cggggacaac 120
271 tctccaggaa tagaagcatt gtgtgccatc tatattactt atgctgtgat catttcagtg 180
272 ggcacacctg gaaatgctat tctcatcaaa gtctttttca agaccaaata catgcaaaca 240
273 gttccaaata ttttcatcac cagcctggct tttggagatc ttttacttct gctaaacttg 300
274 gtgccagtgg atgcaactca ctaccttgca gaaggatggc tgttcggaag aattggttgt 360
275 aagggtgctc ctttcatccg gctcacttct gttggtgtgt cagtgttcac attaacaaat 420
276 ctacagcgtg acagatacaa ggcagttgtg aagccacttg agcgacagcc ctccaatgcc 480
277 atcctgaaga cttgtgtaaa agctggctgc gtctggatcg tgtctatgat atttgctcta 540
278 cctgaggcta tattttcaaa tgtatacact ttctgagatc ccaataaaaa tatgacattt 600
279 gaatcatgta cctcttatcc tgtctctaag aagctcttgc aagaaataca ttctctgctg 660
280 tgcttcttag tgttctacat tattccactc tctattatct ctgtctacta ttccttgatt 720
281 gctaggaccc tttaaaaaag caccctgaac atacctactg aggaacaaag ccatgcccggt 780
282 aagcagattg aatcccgaaa gagaattgcc agaacggtat tgggtgttgt ggctctgttt 840
283 gccctctgct gggtgccaaa tcacctcctg tacctctacc attcattcac ttctcaaacc 900
284 tatgtagacc cctctgccaat gcatttcatt ttcaccattt tctctcgggt tttggctttc 960
285 agcaattctt gcgtaaaccc ctttgcctct tactggctga gcaaaagctt ccagaagcat 1020
286 tttaaagctc agttgttctg ttgcaaggcg gagcggcctg agcctcctgt tgctgacacc 1080
287 tctcttacca cctgggctgt gatgggaacg gtcccgggca ctgggagcat acagatgtct 1140
288 gaaattagtg tgacctcggt cactgggtgt agtgtgaagc aggcagagga cagattctag 1200
291 <210> SEQ ID NO: 18
292 <211> LENGTH: 1200
293 <212> TYPE: DNA
294 <213> ORGANISM: Rattus Norvrgicus
296 <400> SEQUENCE: 18
297 atgtctcaaa ggcagcctca gtcacctaata cagacttta tttccattac aaatgacaca 60
298 gaaacatcaa gctctgccgt ctccaacgat actacaccta aaggatggac cggagacaac 120
299 tctccaggaa tagaagcact gtgtgccatc tatatcactt atgctgtgat catttcagtg 180

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VERIFICATION SUMMARY

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Input Set : A:\21198 SEQLIST.TXT

Output Set: N:\CRF4\11012005\J553812.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date